



IPW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: WANG, Suning, et al.
Serial Number: 10/825,689
Filed: April 16, 2004
Title: Organic Luminescent Compounds and Methods of Making
 and Using Same
Group Art Unit: 1774
Confirmation No.: 8857
Agent Ref. No. 2003-009-03US

October 20, 2004

Assistant Commissioner for Patents
Washington, D.C.
20231

Dear Sir,

Information Disclosure Statement

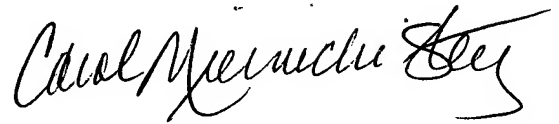
Applicants are aware of the publications listed on the attached Form PTO-1449 and, in accordance with 37 C.F.R. §1.97, hereby submit these publications for the Examiner's consideration. Copies of all non-U.S. patent references are attached.

This statement is not to be interpreted as a representation that the cited publications are material, that an exhaustive search has been conducted, or that no other relevant information exists. Nor shall the citation of any publication herein be construed *per se* as a representation that such publication is prior art. Applicants understand that the Examiner will make an independent evaluation of the cited publications.

No additional costs are believed to be due in connection with the filing of this Information Disclosure Statement. If, however, a first Office Action on the merits issues in the application bearing a

mailing date prior to the date of this Information Disclosure Statement, please charge the appropriate fee as required under 37 C.F.R. §1.17(p) to our Deposit Account No. 17-0110.

Respectfully submitted,

A handwritten signature in black ink, reading "Carol Miernicki Steeg". The signature is fluid and cursive, with the first name "Carol" and last name "Steeg" being more prominent than the middle name "Miernicki".

Carol Miernicki Steeg, Ph.D.
Reg. No. 39,539

PARTEQ Innovations
Queen's University
Kingston, Ontario K7L 3N6
CANADA
(613) 533-2342

Sheet 1 of 2FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2003-009-03USSERIAL NO.
10/825,689LIST OF PUBLICATIONS CITED BY APPLICANT
(Use several sheets if necessary)APPLICANT
Wang *et al.*FILING DATE
April 16, 2004GROUP
1774

U.S. PATENT DOCUMENTS

*EXAMINER DATE INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	IF APPROPRIATE	FILING
_____ 1	6,312,835	Nov. 6, 2001	Wang				
_____ 2	6,500,569	Dec. 31, 2002	Wang				

FOREIGN PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
----------------------	--------------------	------	---------	-------	----------	-----------------------

OTHER PUBLICATIONS (Including Author, Title, Date, Pertinent Pages, Etc.)

- _____ 1 Beinhoff, M. *et al.*, "Synthesis and Spectroscopic Properties of Arene-Substituted Pyrene Derivatives as Model Compounds for Fluorescent Polarity Probes," *Eur. J. Org. Chem.* (2001) 3819-3829.
- _____ 2 Jia, W.-L., *et al.*, "Blue Luminescent Three-Coordinate Organoboron Compounds with 2,2'-Dipyridylamino Functional Group," *J. Org. Chem.* (2003) 68: 701-705.
- _____ 3 Jia, W.-L. *et al.*, "Diarylamine Functionalized Pyrene Derivatives for Use in Blue OLEDs and Complex Formation," *J. Mater. Chem.* (2004) 14: 1-8.
- _____ 4 Koene, B., *et al.*, "Asymmetric Triaryldiamines as Thermally Stable Hole Transporting Layers for Organic Light-Emitting Devices," *Chem. Mater.* (1998) 10(8): 2235-2250.
- _____ 5 Liu, S.-F., *et al.*, "Syntheses, Structures, and Electroluminescence of New Blue/Green Luminescent Chelate Compounds: Zn(2-py-in)₂(THF), BPh₂(2-py-in), Be(2-py-in)₂, and BPh₂(2-py-aza) [2-py-in = 2-(2-pyridyl)indole; 2-py-aza = 2-(2-pyridyl)-7-azaindole]" *J. Am. Chem. Soc.* (2000) 122: 3671-3678.

Examiner

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
(REV. 7-80)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
2003-009-03USSERIAL NO.
10/825,689

LIST OF PUBLICATIONS CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Wang *et al.*

FILING DATE

April 16, 2004

GROUP

1774

-
- | | |
|----------|--|
| _____ 6 | Pang, J. <i>et al.</i> , "Syntheses, Structures, and Electroluminescence of New Blue Luminescent Star-Shaped Compounds Based on 1,3,5-Triazine and 1,3,5-Trisubstituted Benzene," <i>J. Mater. Chem.</i> , (2002) 12: 206-212. |
| _____ 7 | Rodriguez, A. L., <i>et al.</i> , "The Use of a Monoorganotin Derivative of Pyrene in the Palladium(0)-Catalyzed Synthesis of a New Metal-Cation Complexing Molecule Displaying Excited State Charge Transfer Properties," <i>Tet. Lett.</i> (1998) 39: 1179-1182. |
| _____ 8 | Shirota, Y. "Organic Materials for Electronic and Optoelectronic Devices," <i>J. Mater. Chem.</i> (2000) 10(1): 1-25. |
| _____ 9 | Soujanya, T. <i>et al.</i> , "Tunable Photophysical Properties of Two 2,2'-Bipyridine-Substituted Pyrene Derivatives," <i>J. Phys. Chem. A</i> , (2000) 104: 9408-9414. |
| _____ 10 | Thomas, K. R. J., <i>et al.</i> "Novel Green Light-Emitting Carbazole Derivatives: Potential Electroluminescent Materials," <i>Adv. Mater.</i> (2000) 12(24): 1949-1951. |
| _____ 11 | Wiessner, A., <i>et al.</i> "Electron Transfer, Solvation, and Amplified Stimulated Emission of Pyrene-DMA and Anthracene-DMA," <i>J. Phys. Chem.</i> (1995) 99: 14923-14930. |
| _____ 12 | Wu, Q., <i>et al.</i> , "Novel Blue Luminescent/Electroluminescent 7-Azaindole Derivatives: 1,3-Di(N-7-azaindoly)benzene, 1-Bromo-3,5-Di(N-7-azaindoly)benzene, 1,3,5-Tri(N-7-azaindoly)benzene, and 4,4'-Di(N-7-azaindoly)biphenyl," <i>Chem. Mater.</i> (2001) 13(1): 71-77. |
| _____ 13 | Yang, W., <i>et al.</i> , "Syntheses, Structures, and Luminescence of Novel Lanthanide Complexes of Tripyridylamine, <i>N,N,N',N'</i> -Tetra(2-pyridyl)-1,4-phenylenediamine, and <i>N,N,N',N'</i> -Tetra(2-pyridyl)-biphenyl-4,4'-diamine," <i>Inorg. Chem.</i> (2001) 40: 507-515. |
-

Examiner

Date Considered

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.
